THE

SECOND ANNUAL REPORT

OF

THE COMMITTEE

OF THE

MANCHESTER AND SALFORD

SANITARY ASSOCIATION;

BEING

A SUMMARY OF THEIR PROCEEDINGS FROM NOVEMBER, 1853, TO OCTOBER, 1854.

WITH APPENDICES.

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CAVE AND SEVER, PRINTERS, PALATINE BUILDINGS, HUNT'S BANK.
1854.

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Acting Secretary.

Mr. J. R. SIMPSON,

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Mr. EASTWOOD,
Leamington Place, Brook Street.

OFFICES,
4, York Hotel Buildings, King Street.

Communications for the Central Committee may be addressed to—

Rev. C. RICHSON, M.A., Chairman;

Mr. G. BOWRING,
" R. W. LEDWARD, } Hon. Secs.
" W. ROYSTON,

OR TO

Mr. J. R. SIMPSON, Acting Secretary, at the Offices of the Association, York Hotel Buildings, King-street, Manchester;

And for the several District Committees as under:—

Ancoats	Mr. WM. ROYSTON, Ancoats-grove.
Ardwick & London Road	Mr. C. H. KNIGHT, Hon. Sec., 2, Bond-street.
Chorlton-upon-Medlock & Oxford Road	Mr. J. W. MACLURE, 2, Bond-street, or Mr. JNO. LOWE, Jun., Essex-street, } Hon. Secs.
Deansgate	Mr. W. A. ALGER, Hon. Sec., 10, Great John-street.
Hulme	Mr. J. CARROLL, Hon. Sec., Park-street, Hulme.
Oldham Street	Rev. H. H. WESTMORE, York-street, Cheetham.
Rochdale Road	Mr. J. BERESFORD, Hon. Sec., 3, Cross-street.
Salford	Mr. GEO. POWLSON, Hon. Sec., Bow-street.

SECOND REPORT.

The proceedings of the Committee, during the past year, tend to shew the importance of the objects which the Association has in view. It cannot, of course, be expected that any human agency whatever can at once reduce to order the chaos of ignorance which, in respect to Sanitary matters, generally prevails; nor that in the space of two years, this Association can have made any great progress in the vast field of labour upon which it has entered; nevertheless, the Committee have confidence that the Report, they now present, will afford the subscribers satisfaction.

The present is a favourable period for impressing the public mind with the importance of attending to Sanitary regulations. The afflicting visitation of Cholera, which, in the dispensation of Providence, has in so severe a type presented itself in the Metropolis and other parts of the country, has convinced the people generally that more attention than hitherto must be paid to Sanitary considerations. The efforts of the Central and Local Boards of Health have likewise tended to promote the same object; and in this locality, where works of so vast magnitude, as those which relate to the Water-supply and Drainage, have been accomplished, it may reasonably be expected, both on the part of the Authorities who have displayed this intelligent appreciation of duty, and of the Community by whom the Authorities have been supported, that they are, in a great degree, prepared to adopt those further Improvements which, notwithstanding all that has been done, are still necessary.

In presenting a brief detail of their proceedings, the Committee desire to state:—

I.—*Their Position in Relation to the Municipal and other Authorities.*

It is one of the fundamental rules of the Association "to induce general coöperation with Constituted Authorities;" and this rule the Committee have been most careful to observe. During the past year, they have had several opportunities of expressing their opinion to the Municipal and other Authorities in respect to Sanitary matters, and while in some instances they have had the satisfaction of seeing their suggestions adopted, they have, in all, had them courteously received.

(1.)—Manchester Town Council.

In communicating with the *Municipal Authorities of Manchester*, Messrs. Aldermen *Slater* and *Pilling*, and Mr. Councillor *Thackray* were appointed to confer with deputations from the Committee; and at the interviews, which have taken place, the *Mayor* and the *Town Clerk* have also been present. (116.*)

The subjects on which communications have been made, either by personal interviews or written communications, are the following:—

1. The mode in which the reports of *Nuisances* should be presented from the *District Committees*.—In respect to which it was arranged that *Mr. Royston*, one of the *Honorary Secretaries*, should forward them to the Town Clerk, who undertook to bring them under the notice of the proper Municipal Committee. (123.) Many of the nuisances thus reported have been removed or abated. (119.)

2. The state of the *Nightsoil Depôt* in *Water-street*.—At a conference on this subject, explanations were given to the deputation, in which an earnest desire was shown by the Authorities to mitigate, and, if possible, remove the evil; and assurances were given to that effect in a letter from the Town Clerk, which was published in the local newspapers, April 3, 1854. (171-5.)

* Page of "Monthly Statement Book," in the Office, where the particulars are stated more at large.

3. The apparent *want of System* in emptying ash-pits;—the whole not being emptied in succession in the several localities, and many remaining unemptied in consequence of notice not being given to the proper officer by the inhabitants.—As respects the latter point, the Committee were informed that, in a considerable number of cases, the notice is not required. (134.)

4. The plan adopted in arching over a portion of the *river Medlock*, near Hulme-street.—To that plan the Committee conceived there were several objections, and they accordingly presented a memorial on the subject; (Appendix A.) but the Improvement Committee deemed it inexpedient to make any alteration. (204-9.)

5. Some *Property belonging to the Corporation*, in the vicinity of Messrs. Penny and Wood's Mill, in Gaythorn;—which was considered by those gentlemen to be in a most offensive state.—On the representation of the matter to the Municipal Authorities, by this Committee, the nuisance was wholly abated; the property having been sold, and the materials removed. (215.)

The Committee are under much obligation to those Members of the Town Council, who were appointed to confer with them, for the facilities afforded the Sub-Committee on *Disinfection* for making experiments in the Town's Yard; and to the Municipal Committee of Chorlton, for the gratuitous use of the Town Hall upon several occasions; (216.) and to the following Members of the Town Council for presiding at the delivery of Lectures in various parts of the City:—Messrs. Aldermen *Bancroft*, *Heywood*, *Neild*, *Shawcross*, *Slater*, *Walker*, and *Watkins;* and Messrs. Councillors *Clark*, *Fildes*, *Gibson*, *J. Lamb*, *Parnell*, *Shaw*, *Thackray*, *Warburton*, *T. L. Williams*, and *Worthington*.

(2.)—Salford Town Council.

Several members of this Council are also members of the Committee of the Association, and hence there is the readiest possible mode of communication between the two bodies.

1. The reports of the Nuisances made by the District Committee have occasionally been forwarded by *Mr. Royston*, (as requested by the Town Clerk,) to the Chairman of the Sanitary Committee of the Corporation; but, in most instances, the District Committee have themselves had a direct channel for making the communications. (123.)

2. In respect to this District, the Central Committee have hitherto not had occasion to communicate directly with the municipal authorities. The reports of the District Committee have received prompt attention, and, in many cases, the nuisances complained of have been either removed or abated. (218.)

The Committee desire to record their obligation to the Council of the Borough for the gratuitous use of the Town Hall upon several occasions, (218) and to the following gentlemen for presiding at the lectures:—The worshipful *the Mayor;* Messrs. Aldermen *Harvey, Pearson,* and *Radford;* and Messrs. Councillors *Cawley, Davies, Horrocks, Pellett,* and *Sankey.*

(3.)—Guardians of the Poor.

The appearance of the Cholera in many parts of the country induced the Committee to bring again under the notice of the Guardians of the Poor in Manchester, Salford, and Chorlton, the Recommendations adopted, in 1853, by a large number of the Medical Profession; and to urge on their consideration the necessity of an immediate house-to-house visitation, in the districts where cholera formerly prevailed. (176, 192.) The Committee regret, however, that such visitation has not been commenced; and the more so, because they regard it as specially important at the present time.

(4.)—Government Authorities.

1. *Viscount Palmerston,* the Home Secretary, introduced into Parliament, during the last Session, amended Bills for promoting the Public Health. This Committee availed themselves of an opportunity to offer his lordship some suggestions on the subject, which were very favourably received.

2. One of the Provisions which the Committee recommended to Lord Palmerston related to the adoption of means for registering the localities in which preventible diseases frequently occur. The course of inquiry recently instituted by *Sir B. Hall, Bart.,* the President of the General Board of Health, being in the direction of that recommendation, the Committee forwarded him a copy, (Appendix B.) which he acknowledged with thanks. (142.)

II.—*Operation of District Committees.*

The zealous assistance of the District Committees is of essential importance for carrying into effect that fundamental object of the Association—*District Visitation.* It is therefore gratifying to the Central Committee to record the many instances of zeal and earnestness evinced by those Committees.

1. Several of the Committees have, with much success, held Public Meetings in their own localities, bringing under the notice of the inhabitants the importance of coöperating with the Association. In this respect, the Committees for the *Ancoats*, *Chorlton*, and *London-road* districts may be mentioned. (119.)

2. Reports on the Sanitary Condition of the several Localities have been presented by the District Committees to the Central Committee; and led to discussions of much practical importance. (122.)

3. Such Reports tend to show the necessity of obtaining a more correct and better classified knowledge of Local Sanitary Defects than is yet possessed, either by the Committee or the Public Authorities. (135.)

4. The great extent of the *Chorlton* and *Hulme* district has led to its sub-division; and *Hulme* has been formed into a separate district. (207.)

5. The important services already rendered by the District Committees have suggested the propriety of endeavouring to promote their increased usefulness; and a Sub-Committee, composed of the Chairmen and Secretaries of the Committees, has been appointed on that subject. (217.)

6. For facilitating the immediate removal of Nuisances when requisite, *Forms of Notice* have been supplied to the District Committees; which individuals may fill up and forward to the Authorities. (125, 216.)

7. Application to the Working Classes themselves has been made, through their Employers, in several instances with success, to induce them to coöperate with District Committees in their own localities. Their interest in this department is of great importance, and the Central Committee are anxious that it should be encouraged. (116, 132.)

III.—*Public and Home Instruction of the People.*

Next in importance to ascertaining the habits of the people themselves, and the condition of their dwellings, is the diffusion of instruction for promoting their improvement. The lamentable impediments, which a filthy and degraded Home opposes to all Social elevation and to the beneficial effects of Religion and Education, have commended this branch of the Society's operations to the most serious attention of the Committee; and the assistance which they have derived from various sources in relation to this subject, demands their public acknowledgment.

1. The Committee, on the first reports of Cholera in this country, availing themselves of the kind aid of the Editors of the local Newspapers, called the attention of the Occupiers of "many offices and warehouses, where the employment is necessarily of a confined and sedentary character," to the fact that in such places "less attention frequently appears to be given to the removal of refuse, the state of the cess-pools, &c., and the cleaning of walls, than a due regard to sanitary considerations renders necessary." And they strongly urged, in such cases, a recourse to "the wholesome practice of white-washing." (192, 196.)

2. To enable the very poorest classes to white-wash their rooms in the most effectual and economical manner, a series of plain Directions have been issued, in the form of a small placard, and printed on card-board, to be placed in shop windows. The Committee have been aided in the distribution of these by the Municipal officers both in Manchester and Salford, and by the District Committees. (196.)

3. The following Lectures were delivered between *November* and *April* last; and the Committee desire to acknowledge their obligation to the gentlemen by whom they were given. The attendance of the working classes at all the Lectures was very numerous, and the interest they manifested in them exceedingly gratifying. (119, 128.)

No. of Lecturers ..... 27.
No. of Gratuitous Lectures ..... 59.

Lecturer.	Subject.	No. of times repeated.	Places.
Mr. T. Turner, F.L.S., F.R.C.S.	*Introductory*	2	Town Hall, Salford; St. Thomas's Church School, Ardwick.
Ditto	*The Homes of the Poor*..	1	Sharp-street School, Rochdale-road.
Ditto	*The State of Rochdale-road District.*	2	St. Patrick's School, Livesey-street, Oldham-road; St. Michael's Church School, Miller-street.
Mr. J. Boutflower, F.R.C.S.	*The Laws of Health*....	2	Cathedral School, Todd-street; New Windsor School, Salford.
Prof. F. Crace Calvert, F.C.S., M.R.A.T.	*Food and Respiration* ..	1	St. Michael's School, Miller-street.
Ditto	*Food and Digestion*	2	Town Hall, Chorlton-upon-Medlock; Roby's School, Piccadilly.
Mr. John Manley, M.R.C.S.	*Diseases from bad Food, &c.*	1	St. Barnabas' School, Ancoats.
Mr. J. Stead, M.R.C.S.	*Nutrition*	2	St. Thomas's School, Red Bank; Gt. Bridgewater-street School.
Mr. A. P. Childs, F.R.C.S.	*The Use of Malt Liquors, &c.*	2	Bedford-street School, Salford; St. Wilfred's School, Hulme.
Mr. G. B. Masfen, M.R.C.S.	*The Function of Breathing.*	2	St. James's Church School, Major-street; Lever-street School.
Mr. J. Hatton, F.R.C.S.	*The Sanitary Condition of Chorlton-upon-Medlock.*	1	Town Hall, Chorlton-upon-Medlock.
Dr. R. A. Smith, F.C.S.	*Air*	3	St. Michael's Church School, Collyhurst; St. Bartholomew's Church School, Salford; Town Hall, Chorlton-upon-Medlock.
Mr. A. W. Dumville, F.R.C.S.	*The Structure and Functions of the Human Body.*	2	All Souls' Church School, Ancoats; Town Hall, Chorlton-upon-Medlock.
Mr. Isaac Holden....	*Overcrowded and ill-built Dwellings.*	3	Lower Mosley-street School; Trinity Church School, Salford; New Bridge-street School, Strangeways.
Ditto	*The Sanitary Condition of Deansgate District.*	1	St. Matthew's Church School, Liverpool-road.
Mr. J. O. Fletcher, M.R.C.S.	*The Skin & its Functions.*	3	Gould-street School, Rochdale-road; St. Paul's Church School, Bennett-street; Broughton-rd. School, Salford.

Lecturer.	Subject.	No. of times repeated.	Places.
Mr. Wm. Smith, F.R.C.S.	*The Blood*	4	Lower Mosley-street School; London-road School; Irwell-street School, Salford; Temperance Hall, Chorlton-upon-Medlock.
Mr. D. Stone, F.C.S...	*Ventilation*.....	2	St. Andrew's Church School, Travis-street; Mount-street School, Salford.
Mr. J. S. Fletcher, M.R.C.S.	*Influence of Nervous System.*	3	St. Paul's Church School, German-street; Chapel-street School, Salford; Cathedral School, Todd-street.
Mr. R. W. Ledward, M.R.C.S.	*Clothing*.....	3	Osborne-street School, Oldham Road; Hanover-street School, Shude-hill; St. John's Church School, Gartside-street.
Dr. Allan, F.C.S.	*The Influence of Weather; Heat, Cold, Damp, &c.*	2	St. Michael's Church School, Miller-street; St. Matthew's Church School, Liverpool-road.
Ditto	*Water*.....	1	St. Matthias's Church School, Salford.
Mr. T. G. Richmond, F.R.C.S.	*The Sanitary Condition of Hulme.*	1	Commercial School, Stretford-road.
Mr. A. T. H. Waters, M.R.C.S.	*Water*.....	1	Roby's School, Piccadilly.
Rev. W. Trail	*The Connexion between Moral and Physical Causes of Disease.*	2	Lever-street School, Piccadilly; Wilmot-street School, Hulme.
Dr. C. W. Bell, K.L.S.	*Contagion*	2	Chancery-lane School, Ardwick; Mechanics' Institution, Salford.
Mr. S. Henson, M.R.C.S.	*Food and Diet*	2	St. George's Church School, Rochdale-road; Mount-street School, Salford.
Mr. W. Royston	*The Sanitary Condition of Ancoats.*	1	St. Barnabas' School, Ancoats.
Mr. Jas. Dunn	*Bathing and Water, as a Means of Cleanliness..*	2	St. Matthew's Church School, Liverpool-road; St. Clement's Church School, Howe-street.
Dr. Caplin	*Personal Cleanliness*....	1	All Saints Church School, York-street, Chorlton-on-Medlock.
Mr. R. T. Hunt, M.R.C.S.	*The Eye*.....	1	Liverpool-street School, Salford.
Mr. T. N. Dean, M.R.C.S.	*The Management of Children.*	1	St. Philip's Church School, Ancoats.
Total number of Lectures.....		59	

4. A series of Lectures has been commenced upon the Sanitary Condition of various districts of Manchester and Salford. Those by *Mr. Turner*, *Mr. Hatton*, *Mr. Richmond*, *Mr. Holden*, and *Mr. Royston*, were of this character, and contained most useful information. *Mr. Hatton's* Lecture, which was the first of the course, was published by subscription. (126.) (176.)

5. The Committee have been enabled, by a liberal donation of £100., given for the purpose by *Arthur Heywood, Esq.*, to commence the issue of Tracts; and in expressing their highest appreciation of such liberality, they think it right to call attention to the fact, that without such assistance, the Tracts could not have been issued. (127.)

6. The following are the Tracts which have been already published; others are in course of preparation:—

No. I.—"*What is Man?*" *considered as to the use of his Bodily Organs.* (180.)

The first edition (10,000) of this tract having been distributed, (of which 3,200 have been sold) a new edition is in course of publication.

No. II.—"*Hints to the Working Classes about the Houses they live in.*" (214.)

This tract was highly commended in "*The Times*" newspaper of September 2nd last; in consequence of which, a large number has been disposed of, in various parts of the country.

No. III.—"*Facts about Health, worth Recollecting.*" (216.)

This short tract, of only two pages, is in rapid progress of distribution.

The *Gratuitous Distribution* of the Tracts has been as follows:—(180, 193.)

1 copy to each Subscriber to the Association, and to every Minister of religion in Manchester and Salford;

500 copies to each of the District Committees;

1,000 copies to the City Mission;

1 copy to each of the local, and the principal of the London, Newspapers;

1 copy to every Member of the Municipal Councils of Manchester and Salford;

And about 100, to persons in authority in London, Scotland and the Provinces.

7. The demand for the Tracts in the neighbourhood of London has induced the Committee to arrange with *Knight and Co.*, 90, *Fleet-street*, for their sale. The prices are, per 100, to non-subscribers, No. I. 2s. 6d.; No. II. 3s.; No. III. 1s. 3d.; or, to Subscribers, 2s., 2s. 6d., and 1s. respectively. (214.)

8. Among other instances of individual liberality for diffusing instruction among the people, the Committee have to record the publication, by *Malcolm Ross, Esq.*, (on his own responsibility,) of a SERMON, preached by the *Rev. C. Richson, M.A.*, Chairman of the Committee, with NOTES, by *Dr. Sutherland*, of the General Board of Health, London. The design of this publication is to insist on the religious obligation of Sanitary Laws; and to show that the observance of the Sanitary Code, which Holy Scripture prescribes, will ward off preventible diseases from Christians, as well as Jews. The selling price is 6d.; and any profits on the sale would be applied to the funds of the Association.

9. With the view to encourage the Working Classes, in directing attention to the condition of their own homes, the Committee were enabled, by the liberality of *Thos. Turner, Esq.*, and *E. Reuss, Esq.*, (each of whom placed THREE GUINEAS at their disposal for the purpose) to offer three *Prizes* of 3 guineas, 2 guineas, and 1 guinea respectively, for the best short Essays "*On the Home Habits of the Working Classes, and the Means of their Improvement,*" to be written by Working Men. (135.)

These Prizes have been awarded as follows:—(194.)

FIRST PRIZE.—*John Marshall*, Warehouseman, Dove-street, York.

SECOND PRIZE.—*Charles Hadfield*, Painter, Booth-street West, Hulme.

THIRD PRIZE.—*Thomas Robinson, Jun.*, Packer, Little Green-place, Collyhurst.

10. Among other facilities for bringing the Recommendations and Notices issued by the Association under the attention of the Working

Classes, the Committee have to acknowledge the kind co-operation of many Proprietors of Works, who have promised to place such papers in the lobbies and other conspicuous parts of their premises. (123-4.)

11. For diffusing a knowledge of enactments which relate to the protection of the Public Health, the Committee have caused a Table to be published (149) containing the names of Acts bearing upon the subject, with the references to particular Clauses, on which information is most frequently desired.—(Appendix C.)

12. The Committee desire to express their obligation to the Newspaper Press of this district, for publishing from time to time the statements of their proceedings, and the abstracts of Lectures, and for bringing under public notice the various documents they have issued.

IV.—*Scientific and other Investigations.*

The office of an Instructor can be properly performed only by those who are careful to acquire correct knowledge of the subjects they attempt to teach. The force of this truism, the Committee strongly feel. Great progress has already been made in the wide field of investigation which pertains to Sanitary Science; but the agencies which affect the Public and Individual Health are so various, that what has been done in this respect appears almost as nothing in comparison with what remains to be accomplished. The Committee have therefore endeavoured to secure the coöperation of persons qualified to contribute towards the development of this important Science, and have entered upon Investigations from which they expect to derive some practical results.

1. Sub-Committees have been formed for reporting on the following subjects, which are at present under deliberation:—

   i. *Cottage building; Ventilation generally; and the application of Effluvia Traps.* (110, 114, 127, 135.)

   ii. *Agencies to be employed for Disinfection.* (110.)

2. A Sub-Committee on *Food* has been appointed, with instructions to recommend any improvements which may be made in the food of the Working Classes, both in respect to economy and nutriment. In the preliminary inquiries, this Sub-Committee received great assistance from the City Missionaries. They have already pre-

sented their first Report; and when the second is completed, it will be published in the form of a tract. (114, 217.)

3. Reference was made in the First Annual Report (p. 9.) to inquiries relating to the *Levels of Rivers and Canals* in this district; but further investigations have been rendered unnecessary by a valuable present to the Association, made by *Arthur Heywood, Esq.*, of a complete copy of the large Ordnance Map of Manchester and Salford, in which the water-levels are very numerously inserted. (111, 118.)

4. An inquiry into the causes which induce the Localization of Preventible Diseases in Manchester and Salford *(first Report*, p. 9.) is now in progress. Permission was obtained from the Registrar-General and the Superintendent Registrars to make the necessary copies of deaths; and at the commencement of the new year, the Honorary Secretaries expect to be able to present a Report upon this subject. (117, 182, 184.)

5. The outbreak of Cholera at Leeds having led to the conclusion that it was induced by some special local cause, the Committee obtained from the General Board of Health a copy of the official Report upon that subject. The points to which that Report drew special attention as apparently the *Localizing Causes* of the outbreak, were—*first*, its contiguity to the town manure depôt; *secondly*, the filthy state of the river Aire, on the banks of which the outbreak occurred; *thirdly*, the use of water from a sulphureous spring, many of the people at work also standing over its vapour when it was warm; *fourthly*, the ill construction of the drains; special objection being made to the angles at the points of junction; and *fifthly*, want of sufficient ventilation. (153—170.)

6. Through the kindness of *Mr. Calvert* the Committee have been favoured with a communication from *Mons. Trebuchet, Secretary of the Council of Public Hygiène and of Health, of the Department of the Seine*, on the method employed in Paris for the disenfection of fæcal matters. The paper was obligingly translated into English for publication in the local newspapers, by *W. F. Reuss, Esq.* (184.)

7. A Sub-Committee has under consideration the means to be adopted for rendering the waters of the Medlock and other Sewer-rivers of this district less objectionable, in a Sanitary point of view, than they are at present. A valuable Report on the analysis of the

deposits in the Medlock, and the amount of organic matter in the stream, has been presented to the Committee by *Mr. Calvert;* who has also proposed a method for precipitating the organic matter. The various questions arising out of *Mr. Calvert's* proposition are receiving due attention; and the Sub-Committee expect, in a short time, to be able to present a report upon the subject. (210.)

8. The Committee have much pleasure in stating that *John Fernley, Esq.*, has placed at their disposal £5. to be applied as a prize for any subject at their discretion; and also that *R. W. Ledward, Esq.*, M.R.C.S., has consented to act as an additional Honorary Secretary. (111, 216.)

In conclusion, the Committee would observe, with respect to the investigations and inquiries to which they have just referred, that it is by making such judiciously, and acting in harmony, on the one hand, with the District Committees, and on the other, with the Local Authorities, that they can most effectually diffuse the knowledge of Sanitary Laws. It is not the function of any Executive body to act upon suggestions for improvements, which involve the outlay of public money, before they have been discussed in all their bearings; nevertheless, as the origin of almost all great works must be referred to individuals, though carried into effect by the public Authorities, an Association like the present may render important service, by bringing under public consideration many Sanitary improvements, which, without their assistance, might remain unnoticed.

At the same time it must be remembered, that the usefulness of the Association must be diminished, in proportion as it is denied an adequate supply of funds. Large resources are not required: an addition of £150. *a-year* to their present income is all the Committee consider necessary. The account they have now rendered of the duties which they have performed, will, they trust, merit the approbation of the friends of Sanitary progress; and under such circumstances, they ask those who have pecuniary means, to give them that timely aid which they require,—that the present Association, under Providence, may become an effectual means for promoting Sanitary improvement in Manchester and Salford.

Dr. ARTHUR H. HEYWOOD, Esq., *Treasurer, in Account with the Manchester and Salford Sanitary Association.* **Cr.**

1854.			£.	s.	d.
Sept. 30.	To Cash in hand, Oct. 31, 1853		3	12	0
"	" Subscriptions	£358 4 6			
"	" Donations	100 2 0			
			458	6	6
"	" Amount received for Furniture sold		19	0	0
"	" " for Books sold		1	11	0
"	" Interest allowed by Bank		0	4	9
			£482	14	3

1854.		£.	s.	d.
Sept. 30.	By Balance due to Treasurer, Oct. 31, 1853	70	12	1
"	" Rent of Offices	25	0	0
"	" Furniture of ditto	17	4	0
"	" Printing, Stationery, and Advertising	178	4	3
"	" Salary of Acting Secretary	36	7	0
"	" Wages of Assistant Secretary and Boy; Office Expenses; Disbursements in connection with Lectures; Petty Cash; and various small Accounts	115	13	0
"	" Highway and Poor Rates	4	19	9
"	" Use of Manchester Town Hall for Annual Meeting	8	0	0
"	" Expenses incurred by Dist. Committees	13	5	0
"	" Commission allowed to Collector	7	7	1
"	" Commission and Postage charged by Bank.	1	3	11
"	" Balance in Bank	4	18	2
		£482	14	3

ASSETS.

		£.	s.	d.
To Balance in Bank		£4	18	2
" Outstanding Subscriptions	£25 11 0			
" " Donations	0 0 0			
		25	11	0
" Balance of Liabilities		24	9	1
		£54	18	3

LIABILITIES.

	£.	s.	d.
By Amount of Salary due to Acting Secretary.	£12	10	0
" Accounts unpaid	42	8	3
	£54	18	3

October 9th, 1854.—Examined and found correct:

JOHN A. NICHOLLS,
CHARLES J. HERFORD, } *Auditors.*

J. R. SIMPSON, *Acting Secretary.*

Dr. ARTHUR H. HEYWOOD, Esq., *Treasurer, in Account with the Manchester and Salford Sanitary Association.* Cr.

TRACT FUND.

1854.		£.	s.	d.	1854.		£.	s.	d.
Sept. 30.	To Amount of Treasurer's Donation	100	0	0	Sept. 30.	By Engraving Illustrations	5	13	6
"	" Tracts sold	3	19	6	"	" Printing	6	12	6
					"	" Balance in Bank	91	13	6
		£103	19	6			£103	19	6

ASSETS.

	£.	s.	d.
To Balance in Bank	£91	13	6
" Amount owing for Tracts	2	15	0
	£94	8	6

LIABILITIES.

	£.	s.	d.
By Unpaid Accounts	£18	2	0
" Balance of Assets	76	6	6
	£94	8	6

October 9th, 1854.—Examined and found correct:

JOHN A. NICHOLLS,
CHARLES J. HERFORD, } *Auditors.*

J. R. SIMPSON, *Acting Secretary.*

[Appendix A.]

COPY OF MEMORIAL RESPECTING THE RIVER MEDLOCK.

To the Worshipful the Mayor of Manchester, and the Town Council of Manchester.

The Memorial of the Committee of the Manchester and Salford Sanitary Association,

Respectfully sheweth,—

That your Memorialists are informed, that under the authority of the Town Council, the course of that portion of the river Medlock which extends from Oxford road to Messrs. Birley's Mill, is intended to be arched over, and a new street formed in the neighbourhood.

That your Memorialists are also informed, that in effecting these alterations it is intended to reduce the irregularity of the course of the river, and to make the channel of uniform width; and that the side walls are to be constructed in a series of straight lines, forming angles at certain bends of the river.

That your Memorialists are further informed, that there is no intention to introduce a permanent improvement in the bed of the river, nor to interfere with the weir near Messrs. Birley's mill, which, as your Memorialists believe, occasions a serious and unwholesome stoppage of the solid refuse brought down by the river.

That your Memorialists deem it important that in any projected improvement of the sewer rivers of the district, due regard should be had to sanitary considerations, and that any necessary outlay for such purpose ought not to be placed in comparison with the health of the inhabitants.

That your Memorialists are of opinion, that the plan now proposed in respect to the river Medlock may be greatly improved; and they therefore respectfully recommend that the following suggestions may receive your due consideration, that is to say—

1st.—That the course of the river Medlock should be made to approximate as nearly as possible to a straight line.

2nd.—That all angles in the side walls should be avoided, as facilitating the accumulation of injurious solid matter, and that curved lines should be substituted.

3rd.—That the bed of the river should be paved, with either a curved or straight dip towards the centre.

4th.—That to avoid the excessive discharge of mephitic gases at the extremities of the arched course, ventilating shafts should be connected with some of the high chimneys or furnaces in the neighbourhood.

5th.—That the weir at Messrs. Birley's mill should either be removed or be so constructed as to facilitate the cleansing of the bottom of the river.

In conclusion, your Memorialists avail themselves of this opportunity to suggest, that the river Medlock should be considered by you, through its whole course, as a main sewer, and dealt with accordingly.

On behalf of the Committee,

(Signed) C. RICHSON, M.A.,
Chairman.

Offices of the Association,
4, York Hotel Buildings, July 5th, 1854.

[Appendix B.]

EXTRACT FROM RECOMMENDATIONS TRANSMITTED TO VISCOUNT PALMERSTON, *March*, 1854.

II.—*To Facilitate Inquiries into the Localization of Disease, and to aid in the Investigation of its Loeal Cause.*

That every Board of Guardians, or Overseers of the Poor where there are no Guardians, shall, within sixty days after the expiration of each Registration Quarter, make, or cause to be made, a list of deaths within the Townships, Parishes, or places for which they shall have been appointed, caused by cholera, diarrhæa, fever, scarlatina, or any other disease or disorder which the General Board of Health may from time to time specify; and such list shall contain the names of the streets and numbers of the houses wherein such deaths have occurred; and in the case of persons dying in Hospitals, Work-houses, or Fever-wards, the names of the streets and numbers of the houses from whence such persons were removed.

And every Board of Guardians, or Overseers of the Poor shall also, at the like times, make or cause to be made, a list of all persons discharged as cured by any of their medical officers, from the same diseases or disorders, and shall, in like manner, specify the names of the streets and numbers of the houses wherin such persons had been cured; or in the case of persons so cured in Hospitals, Work-houses, and Fever-wards, of the house from whence they had been removed.

And such list shall, within sixty days after the expiration of each Registration Quarter, be forwarded in the several districts to the Inspector acting therein under the authority of the General Board of Health.

[Appendix C.]

LIST OF LOCAL AND GENERAL ACTS.

(1.)*Manchester Police Act, 1844.—7 & 8 Vic. c. xl.
(2.) Manchester Improvement Act, 1844.—7 & 8 Vic. c. xli.
(3.) Manchester Improvement and Health Act, 1845.—8 & 9 Vic. c. cxli.
(4.) Manchester Corporation Water Works Act, 1847.—10 & 11 Vic. c. cciii.
(5.) Manchester Streets Act, 1853.—16 & 17 Vic. c. xci.
(6.) Salford Improvement Act, 1830.—11 Geo. IV. c. viii.
(7.) Salford Further Improvement Act, 1850.—13 & 14 Vic. c. lxxv.
(8.) Salford Extension and Improvement Act, 1853.—16 Vic. c. xxxii.
(9.) The Public Health Act, 1848.—11 & 12 Vic. c. lxiii.
(10.) An Act for the more speedy Removal of Nuisances, 1846.—9 & 10 Vic. c. xcvi.
(11.) The Nuisances Removal and Diseases Prevention Act, 1848.—11 & 12 Vic. c. cxxiii.
(12.) The Nuisances Removal and Diseases Prevention Amendment Act, 1849.—12 & 13 Vic. c. cxi.

INDEX TO CLAUSES.

Abatement of nuisances.—(1)* Clauses lxxxiii. to lxxxv.; (5) liv.; (6) cxvi.; (9) lxiv.; (11) i., vi.; (12) ii., vi.
Cellars (new and old).—(5) xlv. to xlviii.; (9) lxvii.
Courts (houses, sewers, and drains therein).—(3) xxxviii., xxxix.; (7) xcii.
Deposit of refuse.—(9) lvi.
Erection of buildings.—(3) xlvii.; (9) liii.
Exciseable drinks to children.—(1) cciv.
House purification.—(9) lx.
Interments.—(5) xlix., l.; (9) lxxxii., lxxxiii.; (12) ix. to xii.
Lodging-houses—Providing and regulation of.—(3) lxxix. to lxxxiv.; (9) lxvi.; see also Lodging-houses Act, 1851, clvi. to end, and Act, 1853.
New streets and scavenging.—(3) xxix. to xxxi.; (5) xxxix., xli.; (6) lxxxvii., lxxxviii.; (9) lv., lxviii. to lxxii.
Offensive ditches, &c.—(9) lviii.
Pigsties and offensive matter.—(1) ciii., (p. 75,) civ. to cx.; (6) lxxvi.; (9) lix.
Places of public recreation.—(1) xlviii.; (9) lxxiv.
Privies, water closets, &c. to houses.—(1) lxv. to lxviii., lxxi.; (3) lx., lxii., lxiv., (6) cxx.; (7) ci. to cv.; (9) li., lii.
Public baths, &c.—(1) liii.; (4) xcviii.; (7) liv.; (9) lxxvii., lxxviii.
Public Health Acts to Salford.—(7) cxxvi.
Public privies and urinals.—(1) l.; (9) lvii.
Receptacle for dead previous to interment.—(9) lxxxi.
Ruinous buildings.—(1) lviii., lix.
Sewers and Drains.—(2) cxviii. to cxxii.; (3) xxxiii., xli. to xlvi.; (6) xciv. to xcvi.; (9) xliv. to xlix., liv.; (11) vii.
Smoke.—(1) lxxv.; (6) cviii. (See also Smoke Prevention Act.)
Slaughter-houses—To provide or regulate.—(1) cxxiii. to cxxxviii.; (5) li. to liv.; (6) cix., cl.; (7) xcvii. to c.; (9) lxi., lxii.
Streets—Level of.—(3) xxxiv. to xxxvi., xl.; (9) liii.
Unsound meat.—(5) lv.; (6) cxlix.; (9) lxiii.
Washing and drying grounds.—(1) xlix.
Water supply.—(4) xc., cxii., cxxvii.; (9) lxxv., lxxvi., lxxx.

MEMBERS FROM DONATIONS IN FORMER YEARS.

	£.	s.	d.
Benyon Miss, (Clifton)	5	0	0
Brooks Samuel, Esq.	5	0	0
Chadwick R., Esq.	20	0	0
Coultate E., Esq.	5	0	0
Ellesmere, The Earl of	5	0	0
Gardner Robert, Esq	5	5	0
Heywood E. S., Esq.	20	0	0
Heywood Sir B., Bart.	5	5	0
Heywood Arthur H., Esq.	5	0	0
Houldsworth Henry, Esq	5	0	0
Heywood Oliver, Esq.	5	0	0
Heywood James, Esq., M.P.	5	0	0
Jones R. Jennings, Esq.	5	0	0
Jones W. C., Esq.	5	0	0
Macintosh Messrs. C. and Co.	5	5	0
Potters and Norris Messrs	5	5	0
Plant James, Esq.	5	0	0
Schunck, Souchay, and Co.	5	0	0
Spafford George, Esq.	5	0	0
Taylor J. E., Esq.	5	5	0
Todd and Coston Messrs.	5	0	0
Turner J. Aspinall, Esq.	5	0	0
Watkins W. B., Esq.	5	0	0
Wood W. Rayner, Esq.	5	0	0

DONATIONS AND SUBSCRIPIONS

DURING THE YEAR 1853-4.

	Donations. £. s. d.	Subscriptions. £.	s.	d.
Andrew Charles, Esq.		2	2	0
Ashton Messrs. Samuel and Thomas		2	2	0
Atherton James, Esq.		2	2	0
Agnew Thomas, Esq.		1	1	0
Allen P., Esq.		1	1	0
Andrews W., Esq.		1	1	0
Ashton F., Esq.		1	1	0
Atkinson and Gould Messrs.		1	1	0
Anson Rev. G. H. G.		1	1	0
Atkinson F,, Esq.		1	1	0
Aslan J. G., Esq.		0	10	6
Bannerman J., Esq.		2	2	0
Barbour Messrs. R. and Brother		2	2	0
Bardsley Sir James, M.D.		2	2	0
Bayley and Craven Messrs.		2	2	0
Behrens Messrs. S. L. and Co.		2	2	0
Bellhouse Messrs. J. and W.		2	2	0
Birley Richard, Esq.		2	2	0
Bradshaw, Hammond, and Co. Messrs.		2	2	0
Burn R. Scott, Esq.		2	2	0
Butterworth and Brooks Messrs.		2	2	0
Butterworth J., Esq.		2	2	0
Barnes Robert, Esq.		2	0	0
Barge Thomas, jun., Esq.		1	1	0
Bazley H., Esq.		1	1	0

	Donations. £.	s.	d.	Subscriptions. £.	s.	d.
Bazley Thomas, Esq.				1	1	0
Behrens Jacob, Esq				1	1	0
Bell Dr.				1	1	0
Bellhouse E. T., Esq.				1	1	0
Beresford and Southern Messrs.				1	1	0
Besley William, Esq.				1	1	0
Birley T. H., Esq				1	1	0
Bligh F., Esq.				1	1	0
Booth William, Esq				1	1	0
Boutflower J., Esq.				1	1	0
Brooke Rev. R. E				1	1	0
Brown J., Esq.				1	1	0
Brownbill T. F., Esq.				1	1	0
Browne Dr. Henry				1	1	0
Bryan Messrs. William and Co.				1	1	0
Bunting T. P., Esq				1	1	0
Bury Henry, Esq				1	1	0
Burder J., Esq	1	1	0			
Birch William, Esq				1	0	0
Boschetti M., Esq.				1	0	0
Burton Messrs. James and Sons				1	0	0
Brooke William, Esq.				0	5	0
Crowder Rev. H.	5	0	0			
Cardwell Messrs. Thomas and Co.				2	2	0
Carlton Messrs. J., Walker, and Co.				2	2	0
Collie Messrs. Alexander and Co.				2	2	0
Cooke Messrs. Henry and Co.				2	2	0
Crompton Thomas, Esq.				2	2	0
Cunliffe, Charlewood, and Co. Messrs.				2	2	0
Calvert F. Crace, Esq.				1	1	0
Carver Brothers and Co. Messrs.				1	1	0
Cave and Sever Messrs.				1	1	0
Chadwick David, Esq.				1	1	0
Chadwick John, Esq.				1	1	0
Clarke Daniel, Esq.				1	1	0
Clayton J., Esq				1	1	0
Clegg Thomas, Esq				1	1	0
Clifton Rev. Canon				1	1	0
Cope Messrs. R. F. and R.				1	1	0
Cowell Mrs.				1	1	0
Crook J., Esq.				1	1	0

	Donations. £.	s.	d.	Subscriptions. £.	s.	d.
Crossley and Sudlow Messrs.				1	1	0
Caplin Dr.	1	1	0			
Crompton S. Esq.	1	1	0			
Carew J. D., Esq.				0	10	6
Danby P. W., Esq.				1	1	0
Dilworth J., Esq.				1	1	0
Dilworth J. jun., Esq.				1	1	0
Dean T. N., Esq.				1	1	0
Dixon, Galloway, and Co. Messrs.				1	1	0
Duarte D., Esq.				1	1	0
Dugdale John jun., Esq.				1	1	0
Darbishire R. D., Esq.				1	0	0
Duckworth J. Workpeople of				0	15	0
Entwisle William, Esq.	5	0	0	2	2	0
Earwaker and Challen Messrs.				1	1	0
Friend A, per Rev. W. Gaskell	5	0	0			
Friend A, per W. Mort	5	0	0			
Friends Two, per Rev. W. Gaskell	4	4	0			
Fallows and Keymer Messrs.				2	2	0
Falkner George, Esq.				2	2	0
Fletcher Samuel, Esq. (Parker-street)				2	2	0
Fraser Messrs. Geo., Son, and Co.				2	2	0
Freeman Edward, Esq.				2	2	0
Farbridge Messrs. R. J. and Co.				1	1	0
Ferguson Messrs. J. and Co.				1	1	0
Fernley John, Esq.				1	1	0
Findlater and Mackie Messrs.				1	1	0
Findley A. C., Esq.				1	1	0
Fleming Hugh, Esq.				1	1	0
Fothergill and Harvey Messrs.				1	1	0
Fynney F. A., Esq.				1	1	0
Finnie Messrs. R. and Co.				1	0	0
Froggart Robert, Esq.				1	0	0
Franklin I. A., Esq.				0	10	6
Friend A, per J. A.				0	10	0
Gillibrand P., Esq.	5	0	0			
Gardner Robert, Esq.				2	2	0
Gladstone, Bond, and Co. Messrs.				2	2	0

	Donations. £.	s.	d.	Subscriptions. £.	s.	d.
Gladstone Messrs. R. and Co.				2	2	0
Glover and Dunn Messrs.				2	2	0
Gould John, Esq.				2	2	0
Gaskell Rev. William				1	1	0
Gibson Rev. N. W.				1	1	0
Gibb William, Esq.				1	1	0
Gibson Charles, Esq.				1	1	0
Glover Messrs. William and Co.				1	1	0
Graham Messrs. William and Co.				1	1	0
Grover —, Esq.				1	1	0
Grundy J. C., Esq.				1	1	0
Guest R., Esq.				1	1	0
Graham John, Esq.	1	1	0			
Grundy, Midwood, and Co. Messrs.				0	10	6
Gaskin J.				0	5	0
Heywood Arthur H., Esq. (to Tract Fund)	100	0	0			
Heywood Miss	10	0	0			
Harter J. C., Esq.	5	5	0	2	2	0
Heald, Wilson, and Co. Messrs.				5	5	0
Harter William, Esq.				2	2	0
Heywood Arthur H., Esq.				2	2	0
Heywood Sir Benjamin, Bart.				2	2	0
Heywood E. S., Esq.				2	2	0
Heywood Oliver, Esq.				2	2	0
Henry Alexander, Esq.				2	2	0
Hickson Charles, Esq.				2	2	0
Higgins Messrs. William and Sons				2	2	0
Hunter Thomas, Esq.				2	2	0
Houldsworth Henry, Esq.				2	0	0
Henson R., Esq.				1	5	0
Hald E., Esq.				1	1	0
Haslam James, Esq.				1	1	0
Hill T. C., Esq.				1	1	0
Hodgin George, Esq.				1	1	0
Holden Isaac, Esq.				1	1	0
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Horrocks Joseph, Esq.				1	1	0
Houldsworth Messrs. James and Co.				1	1	0
Howorth Joseph, Esq.				1	1	0
Hutchinson James, Esq.				1	1	0
Horsfall W., Esq.				0	10	6
Heckscher J., Esq.				0	2	6

	Donations. £.	s.	d.	Subscriptions. £.	s.	d.
Ireland Messrs. Alexander and Co,				1	1	0
Jackson Messrs. E. and J. and Co.				1	1	0
Jackson J. W., Esq.				1	1	0
James and Nephews Messrs.				1	1	0
Johnson Rev. W. W.				1	1	0
Johnson Thomas, Esq				1	1	0
Jones R. Jennings, Esq.				1	1	0
Jones W. C., Esq.				1	1	0
Jackson John, Esq.				0	10	6
Kennedy, Scholes, and Hurst Messrs	10	0	0			
Kay, Richardson, and Co. Messrs				2	2	0
Kershaw, James, Esq., M.P.				2	2	0
Kershaw, Leese, and Co. Messrs.				2	2	0
Kelly and Gilmour Messrs.				2	0	0
Kay and Co. Messrs				1	1	0
Kemp James, Esq.				1	1	0
Kipping J. S., Esq.				1	1	0
Knowles Messrs. Henry and Sons	1	1	0			
Kelly, Peak, and Barry Messrs.				1	0	0
Kipping J. jun., Esq.				0	5	0
Knight C. H., Esq.				0	5	0
Lees, Duncan, and Daniel Messrs				3	3	0
Leigh Silas, Esq.	3	3	0			
Langworthy Brothers and Co. Messrs.				2	2	0
Langworthy E. R., Esq.				2	2	0
Langton W., Esq.				2	2	0
Le Mare E. R., Esq.				2	2	0
Leissler John, Esq.				2	2	0
Leppoc H. J., Esq.				2	2	0
Lings T., Esq.				2	2	0
Lucas Philip, Esq				2	2	0
Lavery J., Esq.				1	1	0
Lee Henry, Esq.				1	1	0
Lee J. B., Esq.				1	1	0
Lee and Riley Messrs.				1	1	0
Liebert B., Esq				1	1	0
London Vale Printing Co.				1	1	0
Lowe and Lawe Messrs.				1	1	0
Lamb Joseph, Esq.				0	10	0

	Donations. £.	s.	d.	Subscriptions. £.	s.	d.
Lawson J., Esq				0	5	0
Lowe J. jun., Esq				0	5	0
Macintosh Messrs. Charles and Co.	5	0	0			
Mc. Connel J., Esq.				2	2	0
Marshall Miss				2	2	0
Munn Messrs. John and Co.				2	2	0
Mc. Laren James, jun., Esq.				1	1	0
Mc. Laren Henry, Esq.				1	1	0
Mc. Nair, Greenhow, and Co. Messrs.				1	1	0
Makin and Walker Messrs				1	1	0
Mandley G. F., Esq				1	1	0
Marsden Richard, Esq				1	1	0
Marsland Henry, Esq				1	1	0
Marsland and Hole Messrs				1	1	0
Marsland Miss				1	1	0
Mayson John, Esq.				1	1	0
Middleton Thomas, Esq				1	1	0
Micholls Henry, Esq.				1	1	0
Micholls Horatio, Esq				1	1	0
Möller J., Esq.				1	1	0
Morley John, Esq				1	1	0
Morris W., Esq				1	1	0
Mort William, Esq.				1	1	0
Mc. Clure William, Esq.				1	0	0
Margerisons and Co. Messrs.				1	0	0
Medcalf William, Esq				0	10	0
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